

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/002262

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C7/167 C07C7/163 B01J23/63 B01J23/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/068843 A1 (DAI WEI ET AL) 6 June 2002 (2002-06-06) examples 1-15; tables 1,2,4,5 examples comparative,1,3 claims 1,12,17-24	1-3,6,7, 10,12, 13,16
X	IMAMURA H ET AL: "Hydrogenation behavior of propyne on supported Eu-Pd and Yb-Pd bimetallic catalysts with anomalous hydrogen uptake" JOURNAL OF ALLOYS AND COMPOUNDS, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 303-304, May 2000 (2000-05), pages 514-519, XP004204411 ISSN: 0925-8388 abstract paragraphs '02.2!, '03.1!	1,2,9, 10,12, 13,16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *I* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

3 August 2004

Date of mailing of the international search report

23/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Holzwarth, A

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB2004/002262

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	S. H. MOON ET AL.: "Selective hydrogenation of acetylene on Pd/SiO ₂ catalysts promoted with Ti, Nb and Ce oxides" CATALYSIS TODAY, ELSEVIER, vol. 63, 30 November 2000 (2000-11-30), pages 183-188, XP002290968 abstract; table 1 paragraphs '02.1!', '03.1!' -----	1,2, 6-13,16
A	US 2 946 829 A (MCCARTHY DONALD O ET AL) 26 July 1960 (1960-07-26) cited in the application -----	
A	US 2 909 578 A (ANDERSEN HOLGER C ET AL) 20 October 1959 (1959-10-20) cited in the application -----	
A	US 4 762 956 A (LIU XIN X ET AL) 9 August 1988 (1988-08-09) cited in the application -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002262

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002068843 A1	06-06-2002	WO 03015916 A1	27-02-2003
US 2946829 A	26-07-1960	NONE	
US 2909578 A	20-10-1959	NONE	
US 4762956 A	09-08-1988	US 4940687 A	10-07-1990